FIG. 1

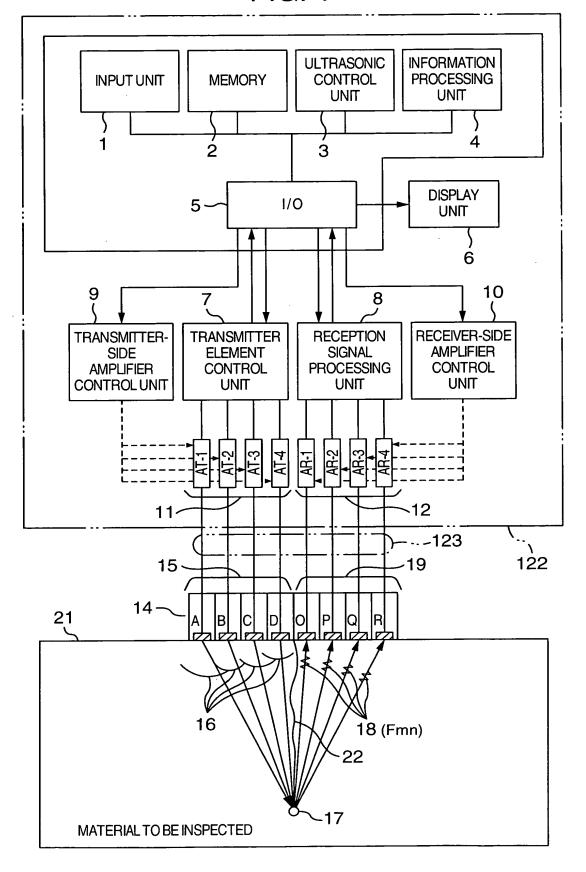
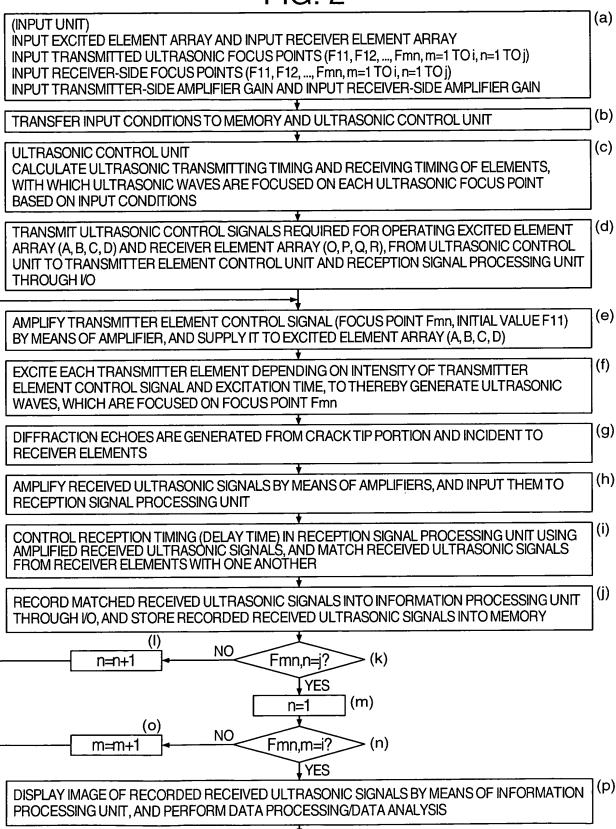


FIG. 2



END

FIG. 3

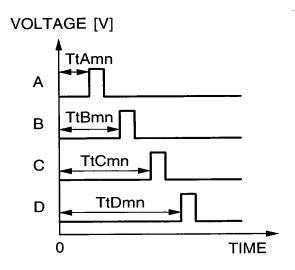


FIG. 4

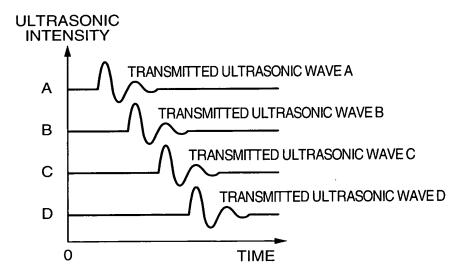


FIG. 5

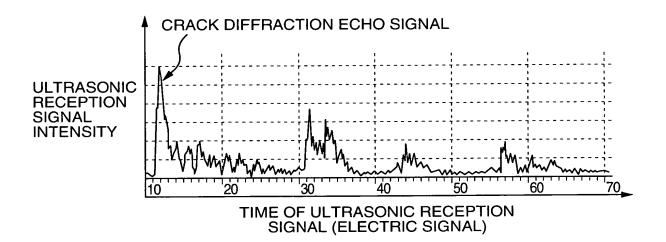


FIG. 6-1

15

17

FIG. 6-2

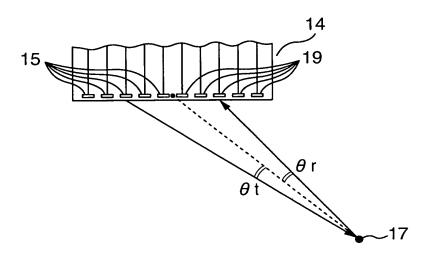


FIG. 7

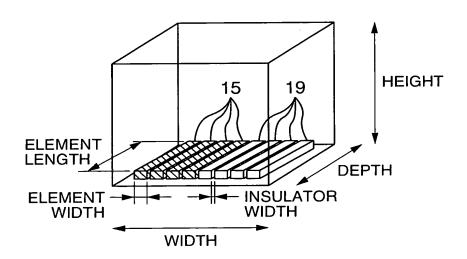


FIG. 8

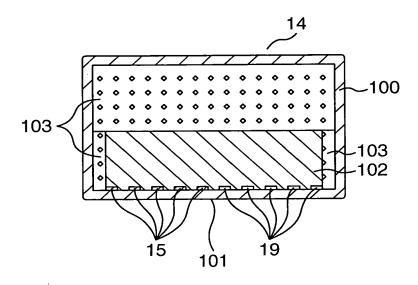
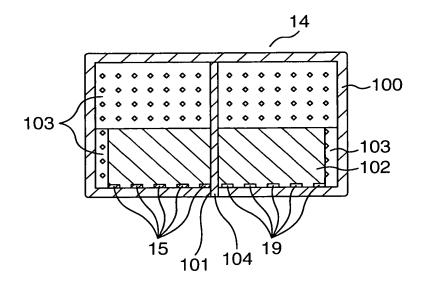


FIG. 9



7/18 FIG. 10

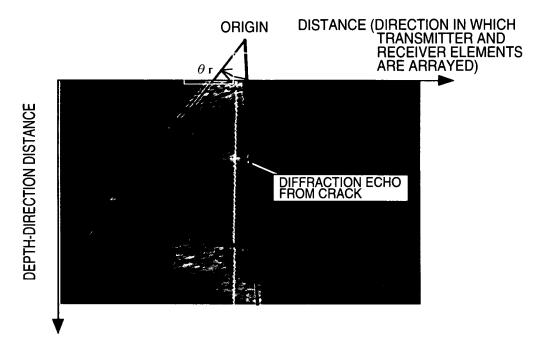


FIG. 11

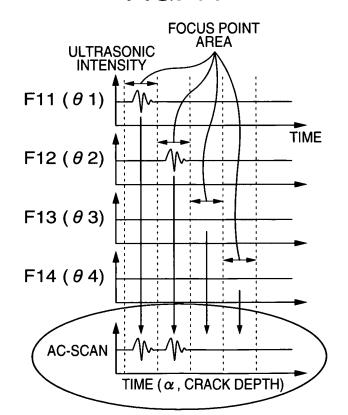
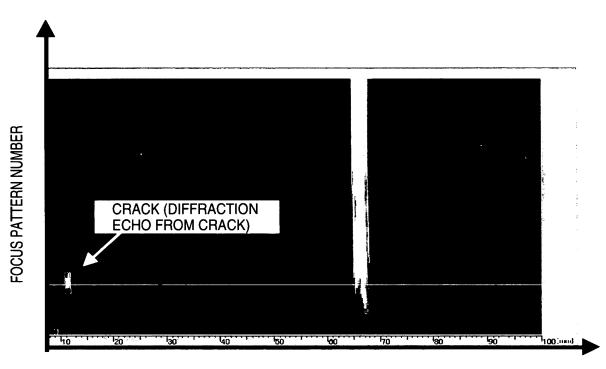
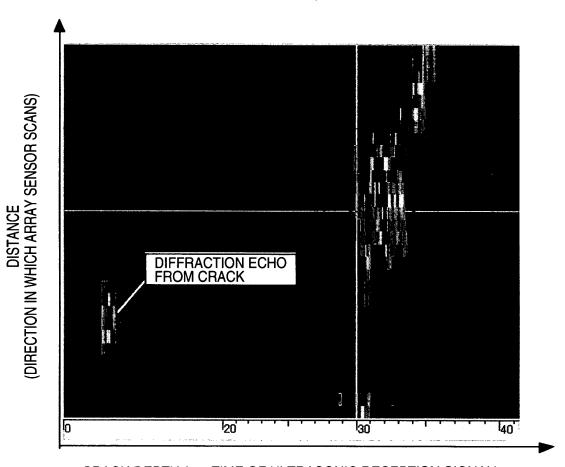


FIG. 12



CRACK DEPTH (lpha , TIME OF ULTRASONIC RECEPTION SIGNAL)

FIG. 13



CRACK DEPTH (lpha , TIME OF ULTRASONIC RECEPTION SIGNAL)

FIG. 14

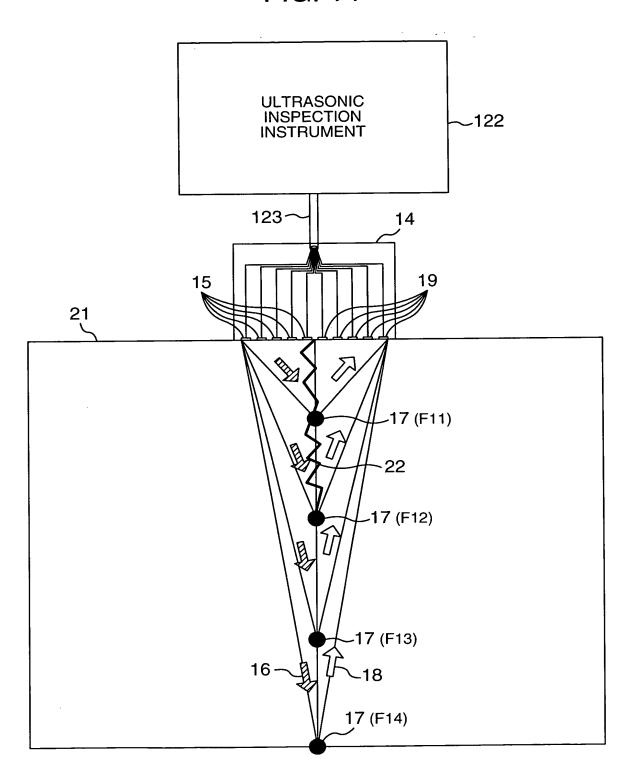


FIG. 15

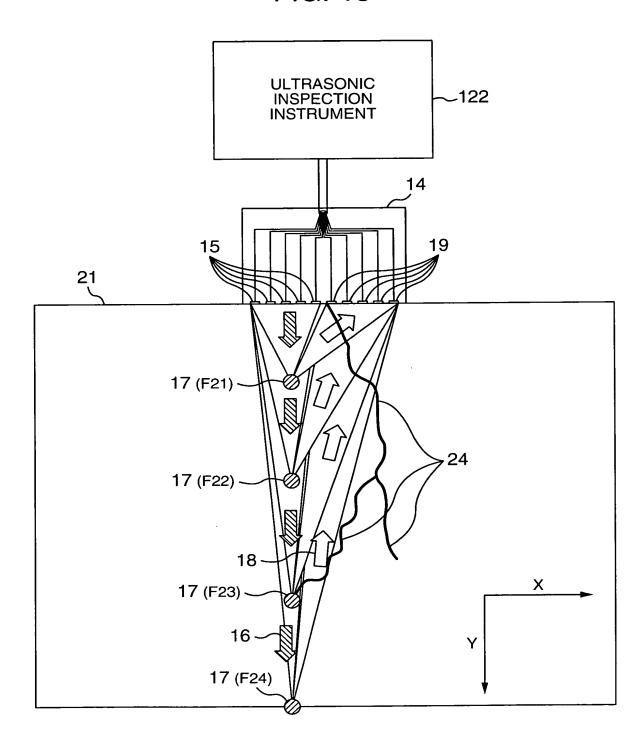


FIG. 16

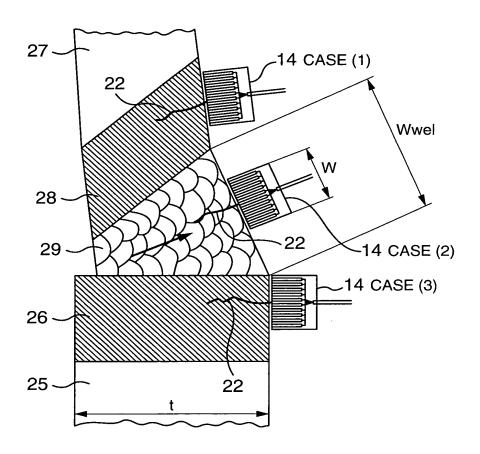


FIG. 17

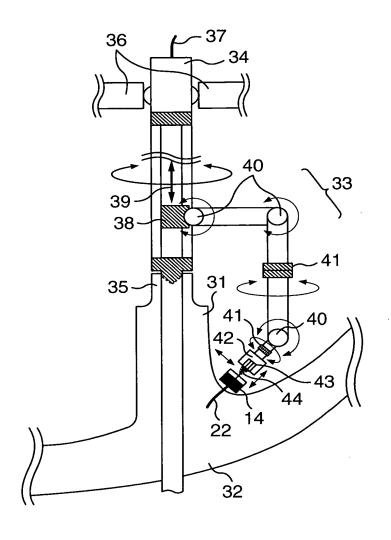


FIG. 18

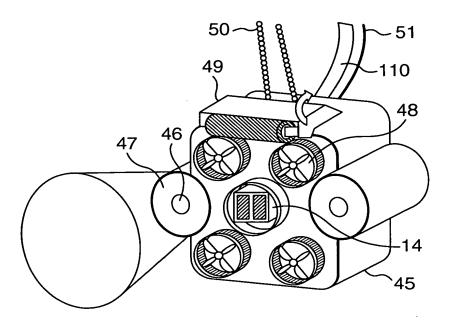


FIG. 19

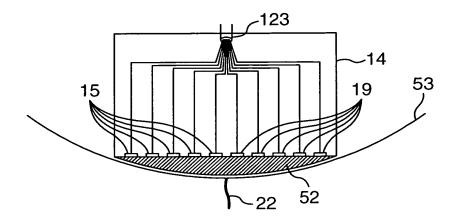


FIG. 20

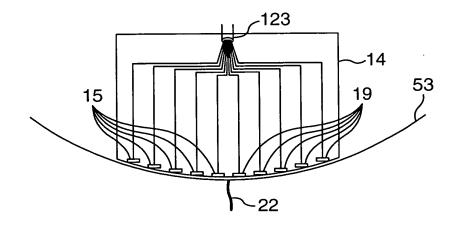


FIG. 21

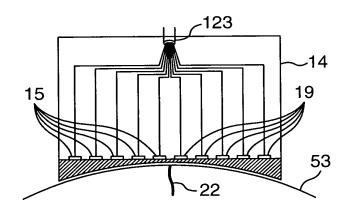
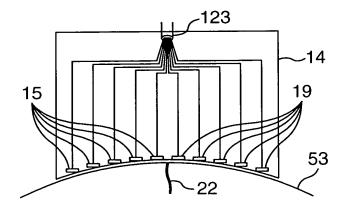
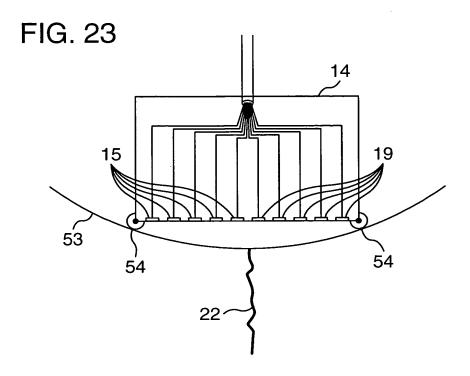


FIG. 22





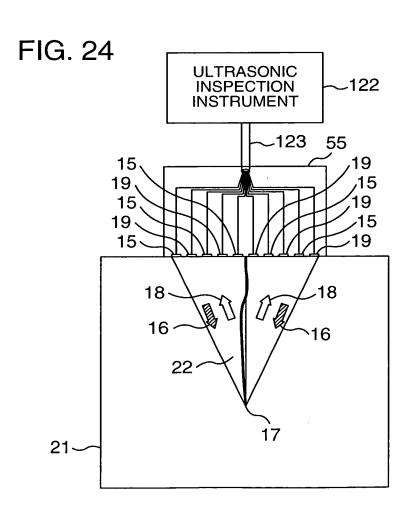


FIG. 25

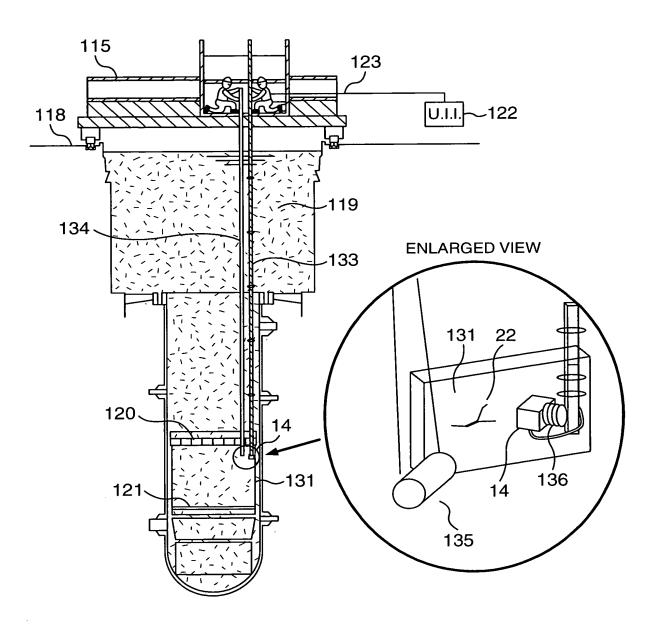


FIG. 26

